

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	5507	358/518	US-PGPUB; USPAT	OR	ON	2010/04/18 17:16
L18	5107	L17 and (stor\$4 or render \$4)	US-PGPUB; USPAT	OR	ON	2010/04/18 17:16
L19	20	L18 and (n-value)	US-PGPUB; USPAT	OR	ON	2010/04/18 17:16
L20	6	L19 and (((bit adj map) or bitmap) and control\$4)	US-PGPUB; USPAT	OR	ON	2010/04/18 17:16
L21	6	L20 and line\$4	US-PGPUB; USPAT	OR	ON	2010/04/18 17:16
L22	6	L21 and color	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/18 17:16
L23	6	L22 and Process\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/18 17:16
S1	1	10/773423	US-PGPUB; USPAT	OR	ON	2007/09/04 12:32
S2	1	"6456404".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 12:32
S3	2584	358/1.13	US-PGPUB; USPAT	OR	ON	2007/09/04 13:56
S4	363	358/3.01	US-PGPUB; USPAT	OR	ON	2007/09/04 13:54
S5	4188	358/518	US-PGPUB; USPAT	OR	ON	2007/09/04 13:54
S6	0	S3 and ((stor\$4 or render \$4) and (render\$4 near5 (instruct\$4 or page\$3)) with (multi-val\$4 near5 bitmap))	US-PGPUB; USPAT	OR	ON	2007/09/04 14:53
S7	0	S4 and ((stor\$4 or render \$4) and (render\$4 near5 (instruct\$4 or page\$3)) with (multi-val\$4 near5 bitmap))	US-PGPUB; USPAT	OR	ON	2007/09/04 14:03

S8	0	S5 and ((stor\$4 or render\$4) and (render\$4 near5 (instruct\$4 or page\$3)) with (multi-val\$4 near5 bitmap))	US-PGPUB; USPAT	OR	ON	2007/09/04 14:03
S9	2515	S3 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:06
S10	11742	L9and (render\$4 near5 (instruct\$4 or page\$3))	US-PGPUB; USPAT	OR	ON	2007/09/04 14:04
S11	214	S9 and (render\$4 near5 (instruct\$4 or page\$3))	US-PGPUB; USPAT	OR	ON	2007/09/04 15:06
S12	0	S11 and (multi-val\$4 near5 bitmap)	US-PGPUB; USPAT	OR	ON	2007/09/04 14:53
S13	1	S11 and (multival\$4 near5 bitmap)	US-PGPUB; USPAT	OR	ON	2007/09/04 14:53
S14	0	S3 and ((stor\$4 or render\$4) and (render\$4 near5 (instruct\$4 or page\$3)) with (multival\$4 near5 bitmap))	US-PGPUB; USPAT	OR	ON	2007/09/04 14:53
S15	101	S11 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/04 15:00
S16	0	S15 and multivalued	US-PGPUB; USPAT	OR	ON	2007/09/04 14:59
S17	87	S15 and value	US-PGPUB; USPAT	OR	ON	2007/09/04 15:00
S18	0	S15 and n-value	US-PGPUB; USPAT	OR	ON	2007/09/04 15:01
S19	1	S15 and (n near2 value)	US-PGPUB; USPAT	OR	ON	2007/09/24 11:12
S20	342	S4 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:07
S22	3877	S5 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:07
S23	114	S22 and (render\$4 near5 (instruct\$4 or page\$3))	US-PGPUB; USPAT	OR	ON	2007/09/04 15:08
S24	36	S23 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/04 15:09
S25	1	S24 and (n-value)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:09
S26	15	S22 and (n-value)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:58
S27	0	S17 and (n-value)	US-PGPUB; USPAT	OR	ON	2007/09/04 15:10
S28	1	"5809179".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:08
S29	1	"6753872".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:10

S30	1	"6348969".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:19
S31	1	"6353448".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:20
S32	1	"6891638".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:17
S33	1	"7164493".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:17
S34	15	"6456404".pn. "6989909". pn. "6246485".pn. "7061648".pn. "6954288". pn. "6853465".pn. "6256110".pn. "5589954". pn. "5570461".pn. "5809179".pn. "6753872". pn. "6891638".pn. "7164493".pn. "6348969". pn. "6353448".pn.	US-PGPUB; USPAT	OR	ON	2007/09/04 16:23
S36	6	S34 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/04 16:24
S37	15	S34 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/04 16:26
S38	10	S34 and page	US-PGPUB; USPAT	OR	ON	2007/09/04 16:24
S39	10	S37 and page	US-PGPUB; USPAT	OR	ON	2007/09/04 16:25
S40	7	S37 and n-value	US-PGPUB; USPAT	OR	ON	2007/09/04 16:25
S41	0	S40 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/04 16:25
S42	6	S37 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/04 16:27
S43	0	S42 and n-value	US-PGPUB; USPAT	OR	ON	2007/09/04 16:26
S44	15	"6456404".pn. "6989909". pn. "6246485".pn. "7061648".pn. "6954288". pn. "6853465".pn. "6256110".pn. "5589954". pn. "5570461".pn. "5809179".pn. "6753872". pn. "6891638".pn. "7164493".pn. "6348969". pn. "6353448".pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 13:20
S45	15	S44 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/21 13:20
S46	7	S45 and n-value	US-PGPUB; USPAT	OR	ON	2007/09/21 13:20
S47	10	S44 and render\$4	US-PGPUB; USPAT	OR	ON	2007/09/21 13:26

S48	2	S46 and S47	US-PGPUB; USPAT	OR	ON	2007/09/21 13:39
S49	6	S47 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 13:27
S50	0	S49 and (n-value or nvalue)	US-PGPUB; USPAT	OR	ON	2007/09/21 13:28
S51	5	S49 and value	US-PGPUB; USPAT	OR	ON	2007/09/21 13:28
S52	1	"6285458".pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 13:40
S53	1	"6490055".pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 13:41
S54	9	"6323958".pn. "5852679". pn. "6621588".pn. "5828396".pn. "7130072". pn. "7016984".pn. "7229224".pn. "6796730". pn. "6285458".pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 13:44
S55	10	"6323958".pn. "5852679". pn. "6621588".pn. "5828396".pn. "7130072". pn. "7016984".pn. "7229224".pn. "6796730". pn. "6285458".pn. "6490055".pn. "6285458". pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 13:48
S56	25	"6323958".pn. "5852679". pn. "6621588".pn. "5828396".pn. "7130072". pn. "7016984".pn. "7229224".pn. "6796730". pn. "6285458".pn. "6490055".pn. "6285458". pn. "6456404".PN. "6246485".PN. "6954288".PN. "6853465".PN. "6256110".PN. "7164493".PN. "6348969".PN. "6353448".PN. "6891638".PN. "7061648".PN. "5809179".PN. "5589954".PN. "5570461".PN. "6753872".PN. "6989909".PN. "6490055".PN.	US-PGPUB; USPAT	OR	ON	2007/09/24 13:49
S57	12	S56 and render	US-PGPUB; USPAT	OR	ON	2007/09/21 13:51

S58	25	S56 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/21 13:51
S59	12	S57 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/21 13:51
S60	7	S59 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 13:52
S61	11	S59 and value	US-PGPUB; USPAT	OR	ON	2007/09/21 13:52
S62	7	S59 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 13:52
S63	10	S61 and control	US-PGPUB; USPAT	OR	ON	2007/09/21 13:53
S64	6	S62 and control	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S65	4	"6323958".pn. "5828396". pn. "7130072".pn. "6490055" .PN.	US-PGPUB; USPAT	OR	ON	2007/09/21 14:11
S66	4	S65 and print	US-PGPUB; USPAT	OR	ON	2007/09/21 14:00
S67	4	S66 and render\$5	US-PGPUB; USPAT	OR	ON	2007/09/21 14:00
S68	4	S67 and instruct\$5	US-PGPUB; USPAT	OR	ON	2007/09/21 14:00
S69	4	S68 and (multi-value)	US-PGPUB; USPAT	OR	ON	2007/09/21 14:03
S70	24479	L27and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 14:01
S71	0	S69 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 14:01
S72	0	S68 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/21 14:01
S73	4	S69 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/21 14:04
S74	4	S73 and (bit adj map)	US-PGPUB; USPAT	OR	ON	2007/09/21 14:04
S75	5	"6323958".pn. "5828396". pn. "7130072".pn. "6490055" .PN. "5809179".pn.	US-PGPUB; USPAT	OR	ON	2007/09/21 14:11
S76	3	S75 and render	US-PGPUB; USPAT	OR	ON	2007/09/21 14:12
S77	5	S75 and render\$5	US-PGPUB; USPAT	OR	ON	2007/09/21 14:12
S78	4	S77 and print	US-PGPUB; USPAT	OR	ON	2007/09/21 14:12

S79	25	"6323958".pn. "5852679".pn. "6621588".pn. "5828396".pn. "7130072".pn. "7016984".pn. "7229224".pn. "6796730".pn. "6285458".pn. "6490055".pn. "6285458".pn. "6456404".PN. "6246485".PN. "6954288".PN. "6853465".PN. "6256110".PN. "7164493".PN. "6348969".PN. "6353448".PN. "6891638".PN. "7061648".PN. "5809179".PN. "5589954".PN. "5570461".PN. "6753872".PN. "6989909".PN. "6490055".PN.	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S80	12	S79 and render	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S81	12	S80 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S82	7	S81 and bitmap	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S83	6	S82 and control	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S84	0	S83 and (n-value)	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S85	0	S83 and (n near4 value)	US-PGPUB; USPAT	OR	ON	2007/09/24 10:59
S86	0	S83 and (nvalue)	US-PGPUB; USPAT	OR	ON	2007/09/24 11:00
S87	5	S83 and value	US-PGPUB; USPAT	OR	ON	2007/09/24 11:00
S88	21	"7061648".pn. "6256110".pn. "5589954".pn. "5570461".pn. "6954288".pn. "6853465".pn. "6456404".pn. "6989909".pn. "6753872".pn. "6353448".pn. "6246485".pn. "7164493".pn. "5809179".pn. "6891638".pn. "6348969".pn. "6490055".pn. "6323958".pn. "5828396".pn. "20040160621".pn. "7130072".pn. "6796730".	US-PGPUB; USPAT	OR	ON	2007/09/24 11:15

		pn.				
S89	9	S88 and (n-value or nvalue or n near2 value)	US-PGPUB; USPAT	OR	ON	2007/09/24 11:25
S90	1	S89 and render	US-PGPUB; USPAT	OR	ON	2007/09/24 11:15
S91	20	"7061648".pn. "6256110".pn. "5589954".pn. "5570461".pn. "6954288".pn. "6853465".pn. "6456404".pn. "6989909".pn. "6753872".pn. "6353448".pn. "6246485".pn. "7164493".pn. "5809179".pn. "6891638".pn. "6348969".pn. "6490055".pn. "6323958".pn. "5828396".pn. "7130072".pn. "6796730".pn.	US-PGPUB; USPAT	OR	ON	2007/09/24 11:15
S92	8	S91 and render	US-PGPUB; USPAT	OR	ON	2007/09/24 13:10
S93	0	S92 and (n-value or nvalue or n near2 value)	US-PGPUB; USPAT	OR	ON	2007/09/24 11:16
S94	4	S89 and (bitmap or bit near2 map)	US-PGPUB; USPAT	OR	ON	2007/09/24 11:29
S95	4	S89 and render\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 11:46
S96	2	S94 and render\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 11:46
S97	364	358/3.01	US-PGPUB; USPAT	OR	ON	2007/09/24 13:07
S98	343	S97 and (stor\$4 or render \$4)	US-PGPUB; USPAT	OR	ON	2007/09/24 13:07
S99	22	S98 and (render\$4 near5 (instruct\$4 or page\$3))	US-PGPUB; USPAT	OR	ON	2007/09/24 13:07
S100	15	S91 and render\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 13:10
S101	4	"6323958".pn. "5828396".pn. "7130072".pn. "6490055".PN.	US-PGPUB; USPAT	OR	ON	2007/09/24 13:17
S102	4	S101 and print	US-PGPUB; USPAT	OR	ON	2007/09/24 13:17
S103	4	S79 and overwrite	US-PGPUB; USPAT	OR	ON	2007/09/24 13:49
S104	3	S103 and render\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 13:51
S105	3	S104 and control	US-PGPUB; USPAT	OR	ON	2007/09/24 13:51

S106	3	S105 and ((bit adj map) or bitmap)	US-PGPUB; USPAT	OR	ON	2007/09/24 13:52
S107	0	S105 and ((n-value) or nvalue)	US-PGPUB; USPAT	OR	ON	2007/09/24 13:52
S108	0	S106 and n-value	US-PGPUB; USPAT	OR	ON	2007/09/24 13:52
S109	3	S106 and stor\$4	US-PGPUB; USPAT	OR	ON	2007/09/24 13:53
S110	1	"6246404".pn.	US-PGPUB; USPAT	OR	ON	2008/07/20 14:54
S111	1	"6456404".pn.	US-PGPUB; USPAT	OR	ON	2008/07/20 14:55
S112	4629	358/518	US-PGPUB; USPAT	OR	ON	2008/07/20 16:40
S113	4280	S112 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:40
S114	18	S113 and (n-value)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:40
S115	6	S114 and (((bit adj map) or bitmap) and control\$4)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:40
S116	6	S115 and line\$4	US-PGPUB; USPAT	OR	ON	2008/07/20 16:42
S117	1	S116 and render\$6	US-PGPUB; USPAT	OR	ON	2008/07/20 16:42
S118	4	"6323958".pn. "5828396".pn. "7130072".pn. "6490055".PN.	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S119	4	S118 and print	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S120	4	S119 and render\$5	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S121	4	S120 and instruct\$5	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S122	4	S121 and (multi-value)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S123	4	S122 and stor\$4	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S124	4	S123 and (bit adj map)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S125	4	S124 and (((bit adj map) or bitmap) and control\$4)	US-PGPUB; USPAT	OR	ON	2008/07/20 16:46
S126	4	S125 and line\$4	US-PGPUB; USPAT	OR	ON	2008/07/20 16:48
S127	0	2008/0040131A1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:54



S128	2	"20080040131"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/28 13:54
S129	2	"20080040131"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:54
S130	4	"6323958".pn. "5828396". pn. "7130072".pn. "6490055" .PN.	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S131	4	S130 and print	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S132	4	S131 and render\$5	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S133	4	S132 and instruct\$5	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S134	4	S133 and (multi-value)	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S135	4	S134 and stor\$4	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S136	4	S135 and (bit adj map)	US-PGPUB; USPAT	OR	ON	2009/01/28 15:52
S137	4	S136 and print\$9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/28 15:52
S138	4	S137 and color and process\$9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/28 16:13
S139	4875	358/518	US-PGPUB; USPAT	OR	ON	2009/01/28 16:17
S140	4505	S139 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2009/01/28 16:17
S141	19	S140 and (n-value)	US-PGPUB; USPAT	OR	ON	2009/01/28 16:17
S142	6	S141 and (((bit adj map) or bitmap) and control\$4)	US-PGPUB; USPAT	OR	ON	2009/01/28 16:17
S143	6	S142 and line\$4	US-PGPUB; USPAT	OR	ON	2009/01/28 16:17
S144	6	S143 and color	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/28 16:17

S145	4875	358/518	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S146	4505	S145 and (stor\$4 or render\$4)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S147	19	S146 and (n-value)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S148	6	S147 and (((bit adj map) or bitmap) and control\$4)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S149	6	S148 and line\$4	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S150	6	S149 and color	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/29 15:30
S151	0	S150 and ((overwrit\$9 near9 stor\$9) and read \$9)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 15:30
S152	45	S145 and ((overwrit\$9 near9 stor\$9) and read \$9)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 15:31
S153	4	"6323958".pn. "5828396". pn. "7130072".pn. "6490055".PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S154	4	S153 and print	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S155	4	S154 and render\$5	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S156	4	S155 and instruct\$5	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S157	4	S156 and (multi-value)	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S158	4	S157 and stor\$4	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S159	4	S158 and (bit adj map)	US-PGPUB; USPAT	OR	ON	2009/06/19 14:14
S160	4	S159 and print\$9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/19 14:14
S161	4	S160 and color and process\$9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/19 14:14

S162	4	S161 and scan\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 14:14
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**EAST Search History (I nterference)**

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**4/ 18/ 2010 7:49:29 PM**

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